Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/27/2017 10:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124702	-1	1.57	124595	1.54
Blue	F	SSC	125000	123157	-2	2.92	123477	2.71
Blue	E	FITC	21625	21042	-3	2.37	937	9.76
Blue	D	PE	26832	26537	-2	1.98	952	9.39
Blue	B	PerCP-Cy5-5	48027	47580	-1	3.29	1362	15.71
Blue	A	PE-Cy7	40971	40182	-2	4.89	618	33.37
Red	C	APC	49746	48885	-2	2.85	2817	9.46
Red	A	APC-Cy7	53615	53050	-2	2.9	1097	11.18
Violet	B	V450	14488	13765	-5	5.68	661	9.57
Violet	A	V500	55123	53542	-3	5.49	2373	7.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19680	4.63	600	2	N/A	N/A	Pass
Blue	F	SSC	61278	1.46	530	-4	N/A	N/A	Pass
Blue	E	FITC	106	36.61	530	-6	0.0229	123	Pass
Blue	D	PE	209	27.8	526	-5	0.176	242	Pass
Blue	B	PerCP-Cy5-5	212	42.1	621	-8	0.012	110	Pass
Blue	A	PE-Cy7	70	109.82	670	-11	0.0136	17	Pass
Red	C	APC	331	26.91	587	-7	0.0203	26	Pass
Red	A	APC-Cy7	121	40.18	571	-9	0.0057	1677	Pass
Violet	B	V450	80	40.85	466	-5	0.0518	1950	Pass
Violet	A	V500	171	21.99	492	-4	0.0166	425	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.97	-31.39	0.82
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	17.43	13.27 - 19.91	N/A	N/A	31.40	31.99	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9689

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments